Index of Authors

ABASIEKONG, S. F. Effect of fermentation on crude protein and fat contents of crushed grains of maize and sorghum 391

AHMAD, K. A. & STEWART, G. S. A. B. The production of bioluminescent lactic acid bacteria suitable for the rapid assessment of starter culture activity in milk 113

AIZAWA, K. *see* MIKE, A.

AL-MASAUDI, S. B., DAY, M. J. & RUSSELL, A. D. Antimicrobial resistance and gene transfer in *Staphylococcus aureus* 279

ALBAGNAC, G. *see* KENNES, C.

ALDERSON, G. *see* AMADI, E. N.

ALLAN, E. J. Induction and cultivation of a stable L-form of *Bacillus subtilis* 339

ALLAN, E. J. *see* STRANG, J. A.

AMADI, E. N. & ALDERSON, G. Menaquinone composition of some micrococci determined by high performance liquid chromatography 517

ANAND, R. C. & DOGRA, R. C. Physiological and biochemical characteristics of fast- and slow-growing *Rhizobium* sp. pigeonpea (*Cajunus cajan*) 197

ANDREW, P. W. *see* RALPHS, N. T. *also* STEPHENS, J. C.

ASHENAFI, M. & BUSSE, M. Growth of *Bacillus cereus* in fermenting tempeh made from various beans and its inhibition by *Lactobacillus plantarum* 329

ASHENAFI, M. & BUSSE, M. The microflora of soak water during tempeh production from various beans 334

ATTRI, B. L. *see* JOSHI, V. K.

BAKER, J. H. *see* UNDERWOOD, G. J. C.

BEN-AMOTZ, A. *see* SHLOMAI, P.

BHUNIA, A. K., JOHNSON, M. C., RAY, B. & KALCHAYANAND, N. Mode of action of pediocin AcH from *Pediococcus acidilactici* H on sensitive bacterial strains 25

BIGIS, A. *see* TZANNETIS, S. E.

BLANCHFIELD, B. *see* STAVRIC, S.

BOARD, R. G. *see* NYCHAS, G. J.

BOEKSTEIN, A. *see* VAN DOORN, W. G.

BOULNOIS, G. J. *see* RALPHS, N. T.

BREHM, R. D. *see* NYCHAS, G. J.

BURGES, H. D. *see* JONES, D. R.

BUSSE, M. *see* ASHENAFI, M.

CANDRIAN, U. *see* FURRER, B.

CARBALLO-CUERVO, S. *see* FERNÁNDEZ-ALVAREZ, R. M.

CERVANTES, E. *see* STANLEY, J.

CHAKRABORTY, T. *see* WERNARS, K.

CHAMPOMIER, M.-C. *see* MONTEL, M.-C.

CHERRINGTON, C. A., HINTON, M., PEARSON, G. R. & CHOPRA, I. Inhibition of *Escherichia coli* K12 by short-chain organic acids: lack of evidence for induction of the SOS response 156

CHERRINGTON, C. A., HINTON, M., PEARSON, G. R. & CHOPRA, I. Short-chain organic acids at pH 5.0 kill *Escherichia coli* and *Salmonella* spp. without causing membrane perturbation 161

CHOPRA, I. *see* CHERRINGTON, C. A.

CHUI, W. C. M. *see* RAJA, N.

COLE, M. B. *see* COOTE, P. J.

COLLINS-THOMPSON, D. L. *see* SLADE, P. J.

COOKSON, J. B. *see* RALPHS, N. T.

COOTE, P. J., HOLYOAK, C. D. & COLE, M. B. Thermal inactivation of *Listeria monocytogenes* during a process simulating temperatures achieved during microwave heating 489

COSTAS, M. *see* HERNANDEZ, J.

CUMMINGS, J. H. & MACFARLANE, G. T. The control and consequences of bacterial fermentation in the human colon 443

DAVEY, K. R. Applicability of the Davey (linear Arrhenius) predictive model to the lag phase of microbial growth 253

DAVIES, C. M. & EVISON, L. M. Sunlight and the survival of enteric bacteria in natural waters 265

DAY, M. J. *see* AL-MASAUDI, S. B.

DE LA ROSA-JORGE, M. C. *see* FERNÁNDEZ-ALVAREZ, R. M.

DE LEENHEER, A. P. *see* NELIS, H. J.

DE LEY, J. *see* HEYNDRICKX, M.

DE MESQUITA, M. M. F., EVISON, L. M. & WEST, P. A. Removal of faecal indicator bacteria and bacteriophages from the common mussel (*Mytilis edulis*) under artificial depuration conditions 495

DE STIGTER, H. C. M. *see* VAN DOORN, W. G.

DE VOS, P. *see* HEYNDRICKX, M.

DE WITTE, Y. *see* VAN DOORN, W. G.

DELATTRE, J. M. *see* POURCHER, A.-M.

DEVRIESE, L. A. *see* POURCHER, A.-M.

DO, H. K., KOGURE, K., IMADA, C., NOGUCHI, T., OHWADA, K. & SIMIDU, U. Tetrodotoxin production of actinomycetes isolated from marine sediment 464

DOGRA, R. C. *see* ANAND, R. C.

DRASAR, B. S. *see* MENSAH, P.

DUBOURGUIER, H. C. *see* KENNES, C.

DUFOUR, A. P. *see* LYE, D. J.

ENGELHARD, E. & MUTTERS, R. Rapid differentiation of the species of the genus *Bacteroides sensu stricto* by capillary gas chromatography of cellular carbohydrates 216

EVISON, L. M. *see* DAVIES, C. M. *also* DE MESQUITA, M. M. F.
FERMOR, T. R. *see* HENRY, M. B.
FERNÁNDEZ-ALVAREZ, R. M., CARBALLO-CUERVO, S., DE LA ROSA-JORGE, M. C. & RODRÍGUEZ-DE LECEA, J. The influence of agricultural run-off on bacterial populations in a river 437
FITZMAURICE, E. *see* WEENK, G.
FOEGEDING, P. M. *see* SHYU, Y. T.
FOSTER, H. A. *see* SARHAN, H. R.
FOURNAUD, J. *see* MONTEL, M.-C.
FURRER, B., CANDRIAN, U., HOEFELEIN, CH. & LUETHY, J. Detection and identification of *Listeria monocytogenes* in cooked sausage products and in milk by *in vitro* amplification of haemolysin gene fragments 372
GARCIA-GARIBAY, M. & MARSHALL, V. M. E. Polymer production by *Lactobacillus delbrueckii* ssp. *bulgaricus* 325
GARDNER, S. *see* RICHARDSON, N. J.
GARRETT, S. *see* RALPHS, N. T.
GASALUCK, P. *see* MIDORIKAWA, Y.
GENIMATAS, V. *see* TZANNETIS, S. E.
GLEESON, T. M. *see* STAVRIC, S.
GONZALEZ, C. C. *see* RIVILLA, R.
GOODSON, M. & ROWBURY, R. J. RecA-independent resistance to irradiation with u.v. light in acid-habituated *Escherichia coli* 177
GOODSON, M. *see* RAJA, N.
GRANT, I. R. & PATTERSON, M. F. A numerical taxonomic study of lactic acid bacteria isolated from irradiated pork and chicken packaged under various gas atmospheres 302
HACKING, A. J. *see* JONES, D. R.
HARRISON, T. J. *see* MENSAH, P.
HART, C. D., MEAD, G. C. & NORRIS, A. P. Effects of gaseous environment and temperature on the storage behaviour of *Listeria monocytogenes* on chicken breast meat 40
HART, C. A. *see* MAKIN, T.
HASTINGS, J. W. & STILES, M. E. Antibiosis of *Leuconostoc gelidum* isolated from meat 127
HATTON, P. V. & KINDERLERER, J. L. Toxicity of medium chain fatty acids to *Penicillium crustosum* Thom and their detoxification to methyl ketones 401
HATTON, P. V. *see* KINDERLERER, J. L.
HEMMINGSSON, S. *see* JONSSON, E.
HENRY, M. B., LYNCH, J. M. & FERMOR, T. R. Role of siderophores in the biocontrol of *Pseudomonas tolaasii* by fluorescent pseudomonad antagonists 104
HERNANDEZ, J., OWEN, R. J., COSTAS, M. & LASTOVICA, A. DNA–DNA hybridization and analysis of restriction endonuclease and rRNA gene patterns of atypical (catalase-weak/negative) *Campylobacter jejuni* from paediatric blood and faecal cultures 71
HERNANDEZ, J. F. *see* POURCHER, A.-M.
HEUVELMAN, C. J. *see* WERNARS, K.
HEYNDRICKX, M., DE VOS, P. & DE LEY, J. Fermentation characteristics of *Clostridium pasteurianum* LMG 3285 grown on glucose and mannitol 52
HIBASAMI, H. *see* MIDORIKAWA, Y.
HICKS, S. J. & LUND, B. M. The survival of *Listeria monocytogenes* in cottage cheese 308
HINTON, M. *see* CHERRINGTON, C. A.
HOEFELEIN, CH. *see* FURRER, B.
HOLYOAK, C. D. *see* COOTE, P. J.
HUGUET, J. M. & RIBAS, F. SGAP-10C agar for the isolation and quantification of *Aeromonas* from water 81
IKIGAI, H. *see* TODA, M.
IMADA, C. *see* DO, H. K.
IMAI, M. *see* MIDORIKAWA, Y.
IOANNIDIS, H. *see* TZANNETIS, S. E.
JOHNSON, M. C. *see* BHUNIA, A. K.
JONES, D. *see* STEPHENS, J. C.
JONES, D. R., KARUNAKARAN, V., BURGES, H. D. & HACKING, A. J. Ultra-violet-resistant mutants of *Bacillus thuringiensis* 460
JONSSON, E. & HEMMINGSSON, S. Establishment in the piglet gut of lactobacilli capable of degrading mixed-linked β-glucans 512
JOSHI, V. K., SHARMA, P. C. & ATTRI, B. L. A note on deacidification activity of *Schizosaccharomyces pombe* in plum must of variable compositions 385
JUVEN, B. J., MEINERSMANN, R. J. & STERN, N. J. Antagonistic effects of lactobacilli and pediococci to control intestinal colonization by human enteropathogens in live poultry 95
KALCHAYANAND, N. *see* BHUNIA, A. K.
KANESHIRO, T. Ammonium and glutamate assimilation by tryptophan-catabolic variants of *Bradyrhizobium japonicum* USDA 26 66
KARUNAKARAN, V. *see* JONES, D. R.
KAYA, M. *see* SCHILLINGER, U.
KENNES, C., DUBOURGUIER, H. C., ALBAGNAC, G. & NYNS, E.-J. Citrate metabolism by *Lactobacillus plantarum* isolated from orange juice 380
KENT, L. *see* RAHMAN, M.
KINDERLERER, J. L. & HATTON, P. V. The effect of temperature, water activity and sorbic acid on ketone rancidity produced by *Penicillium crustosum* Thom in coconut and palm kernel oils 502
KINDERLERER, J. L. *see* HATTON, P. V.
KING, S. H. *see* MATTHEWS, K. R.
KOGURE, K. *see* DO, H. K.
KONIDARIS, N. *see* TZANNETIS, S. E.

LANHAM, P. G., MCILRAVEY, K. I. & PEROMBELON, C. M. Production of cell wall dissolving enzymes by *Erwinia carotovora* subsp. *atroseptica in vitro* at 27°C and 30.5°C 20
LASTOVICA, A. *see* HERNANDEZ, J.
LEGAN, J. D. & VOYSEY, P. A. Yeast spoilage of bakery products and ingredients 361
LUCKE, F.-K. *see* SCHILLINGER, U.
LUETHY, J. *see* FURRER, B.
LUND, B. M. *see* HICKS, S. J. *also* NGUYEN-THE, C.
LYE, D. J. & DUFOUR, A. P. A membrane filter procedure for assaying cytotoxic activity in heterotrophic bacteria isolated from drinking water 89
LYNCH, J. M. *see* HENRY, M. B.
MACFARLANE, G. T. *see* CUMMINGS, J. H.
MCILRAVEY, K. I. *see* LANHAM, P. G.
MAHADEVAN, A. *see* VASUDEVAN, N.
MAKIN, T. & HART, C. A. The effect of a self-regulating trace heating element on legionella within a shower 258
MARGALITH, P. *see* SHLOMAI, P.
MARSHALL, V. M. E. *see* GARCIA-GARIBAY, M.
MASUJI, A. *see* MIDORIKAWA, Y.
MATTHEWS, K. R., OLIVER, S. P. & KING, S. H. Expression of glycocalyx by coagulase-negative *Staphylococcus* species isolated from bovine milk 227
MEAD, G. C. *see* HART, C. D.
MEINERSMANN, R. J. *see* JUVEN, B. J.
MENSAH, P., TOMKINS, A. M., DRASAR, B. S. & HARRISON, T. J. Antimicrobial effect of fermented Ghanaian maize dough 203
MIDORIKAWA, Y., HIBASAMI, H., GASALUCK, P., YOSHIMURA, H., MASUJI, A., NAKASHIMA, K. & IMAI, M. Evaluation of the antimicrobial activity of methylglyoxal bis(guanylhydrazone) analogues, the inhibitors for polyamine biosynthetic pathway 291
MIKE, A., OHBA, M. & AIZAWA, K. Spontaneous occurrence of heat-stable somatic antigen variants in *Bacillus thuringiensis* 408
MIRON, J. The hydrolysis of lucerne cell-wall monosaccharide components by monocultures or pair combinations of defined ruminal bacteria 245
MONTEL, M.-C., TALON, R., FOURNAUD, J. & CHAMPOMIER, M.-C. A simplified key for identifying homofermentative *Lactobacillus* and *Carnobacterium* spp. from meat 469
MORSE, R. *see* RALPHS, N. T.
MOSSEL, D. A. A. *see* WEENK, G.
MUTTERS, R. *see* ENGELHARD, E.
MWAISUMO, N. J. *see* VÄISÄNEN, O. M.
NAKASHIMA, K. *see* MIDORIKAWA, Y.
NELIS, H. J. & DE LEENHEER, A. P. Microbial sources of carotenoid pigments used in foods and feeds 181
NGUYEN-THE, C. & LUND, B. M. The lethal effect of carrot on *Listeria* species 479
NOBLE, W. C. *see* RAHMAN, M.
NOGUCHI, T. *see* DO, H. K.
NORRIS, A. P. *see* HART, C. D.
NOTERMANS, S. H. W. *see* WERNARS, K.
NYCHAS, G. J., TRANTER, H. S., BREHM, R. D. & BOARD, R. G. *Staphylococcus aureus* S-6: factors affecting its growth, enterotoxin B production and exoprotein formation 344
NYNS, E.-J. *see* KENNES, C.
OHBA, M. *see* MIKE, A.
OHWADA, K. *see* DO, H. K.
OKUBO, S. *see* TODA, M.
OLIVER, S. P. *see* MATTHEWS, K. R.
OWEN, R. J. *see* HERNANDEZ, J.
PAPAVASSILOU, J. *see* TZANNETIS, S. E.
PATON, A. M. *see* STRANG, J. A.
PATTERSON, M. F. *see* GRANT, I. R.
PEARSON, G. R. *see* CHERRINGTON, C. A.
PEROMBELON, C. M. *see* LANHAM, P. G.
POURCHER, A.-M., DEVRIESE, L. A., HERNANDEZ, J. F. & DELATTRE, J. M. Enumeration by a miniaturized method of *Escherichia coli*, *Streptococcus bovis* and enterococci as indicators of the origin of faecal pollution of waters 525
PROUD, D. W. *see* SUTTON, S. V. W.
RAHMAN, M., KENT, L. & NOBLE, W. C. Streptomycin and tetracycline resistance plasmids in *Staphylococcus hyicus* and other staphylococci 211
RAJA, N., GOODSON, M., CHUI, W. C. M., SMITH, D. G. & ROWBURY, R. J. Habituation to acid in *Escherichia coli*: conditions for habituation and its effects on plasmid transfer 59
RAJA, N., GOODSON, M., SMITH, D. G. & ROWBURY, R. J. Decreased DNA damage by acid and increased repair of acid-damaged DNA in acid-habituated *Escherichia coli* 507
RALPHS, N. T., GARRETT, S., MORSE, R., COOKSON, J. B., ANDREW, P. W. & BOULNOIS, G. J. A DNA/primer probe system for the rapid and sensitive detection of *Mycobacterium tuberculosis*-complex pathogens 221
RAWSON, D. M. *see* RICHARDSON, N. J.
RAY, B. *see* BHUNIA, A. K.
RIBAS, F. *see* HUGUET, J. M.
RICHARDSON, N. J., GARDNER, S. & RAWSON, D. M. A chemically mediated amperometric biosensor for monitoring eubacterial respiration 422
RIVILLA, R. & GONZÁLEZ, C. C. A note on the isolation of psychrotrophic coliform organisms from faecal-polluted environments 522
ROBERTS, I. S. *see* STEPHENS, J. C.

Rodríguez-de Lecea, J. *see* Fernández-Alvarez, R. M.
Rowbury, R. J. *see* Goodson, M. *also* Raja, N.
Russell, A. D. *see* Al-Masaudi, S. B. *also* Williams, N. D.
Salkinoja-Salonen, M. S. *see* Väisänen, O. M.
Sarhan, H. R. & Foster, H. A. A rapid fluorogenic method for the detection of *Escherichia coli* by the production of β-glucuronidase 394
Schillinger, U., Kaya, M. & Lücke, F.-K. Behaviour of *Listeria monocytogenes* in meat and its control by a bacteriocin-producing strain of *Lactobacillus sake* 473
Seddon, B. *see* Strang, J. A.
Sharma, P. C. *see* Joshi, V. K.
Shimamura, T. *see* Toda, M.
Shlomai, P., Ben-Amotz, A. & Margalith, P. The effect of veratrole on carotenoid biosynthesis by *Phycomyces blakesleeanus* 166
Shyu, Y. T. & Foegeding, P. M. Calmodulin antagonists inhibit germination of *Bacillus cereus* T spores 233
Simidu, U. *see* Do, H. K.
Slade, P. J. & Collins-Thompson, D. L. Differentiation of the genus *Listeria* from other Gram-positive species based on low molecular weight (LMW) RNA profiles 355
Smith, D. G. *see* Raja, N.
Stanley, J. & Cervantes, E. Biology and genetics of the broad host range *Rhizobium* sp. NGR234 9
Stavric, S., Gleeson, T. M. & Blanchfield, B. Effect of avian intestinal microflora possessing adhering and hydrophobic properties on competitive exclusion of *Salmonella typhimurium* from chicks 414
Stephens, J. C., Roberts, I. S., Jones, D. & Andrew, P. W. Effect of growth temperature on virulence of strains of *Listeria monocytogenes* in the mouse: evidence for a dose dependence 239
Stern, N. J. *see* Juven, B. J.
Stewart, G. S. A. B. *see* Ahmad, K. A.
Stiles, M. E. *see* Hastings, J. W.
Strang, J. A., Allan, E. J., Seddon, B. & Paton, A. M. Induction of *Bacillus brevis* L-forms 47
Sutton, S. V. W., Wrzosek, T. & Proud, D. W. of contact lens disinfecting solutions 351
Suzuki, T. *see* Toda, M.
Suzuki, Y. *see* Toda, M.
Talon, R. *see* Montel, M.-C.
Toda, M., Okubo, S., Ikigai, H., Suzuki, T., Suzuki, Y. & Shimamura, T. The protective activity of tea against infection by *Vibrio cholerae* 01 109
Tomkins, A. M. *see* Mensah, P.
Tranter, H. S. *see* Nychas, G. J.
Tzannetis, S. E., Bigis, A., Konidaris, N., Ioannidis, H., Genimatas, V. & Papavassilou, J. *In-vitro* bacteriocin-mediated antagonism by oral streptococci against human carrier strains of staphylococci 294
Underwood, G. J. C. & Baker, J. H. The effect of various aquatic bacteria on the growth and senescence of duckweed (*Lemna minor*) 192
Väisänen, O. M., Mwaisumo, N. J. & Salkinoja-Salonen, M. S. Differentiation of dairy strains of the *Bacillus cereus* group by phage typing, minimum growth temperature, and fatty acid analysis 315
van Doorn, W. G., de Stigter, H. C. M., de Witte, Y. & Boekstein, A. Micro-organisms at the cut surface and in xylem vessels of rose stems: a scanning electron microscope study 34
Vasudevan, N. & Mahadevan, A. Degradation of lignin and lignin derivatives by *Acinetobacter* sp. 169
Voysey, P. A. *see* Legan, J. D.
Weenk, G., Fitzmaurice, E. & Mossel, D. A. A. Selective enumeration of spores of *Clostridium* species in dried foods 135
Wernars, K., Heuvelman, C. J., Chakraborty, T. & Notermans, S. H. W. Use of the polymerase chain reaction for direct detection of *Listeria monocytogenes* in soft cheese 121
West, P. A. *see* De Mesquita, M. M. F.
Williams, A. G. & Withers, S. E. Effect of ciliate protozoa on the activity of polysaccharide-degrading enzymes and fibre breakdown in the rumen ecosystem 144
Williams, N. D. & Russell, A. D. The effects of some halogen-containing compounds on *Bacillus subtilis* endospores 427
Withers, S. E. *see* Williams, A. G.
Wrzosek, T. *see* Sutton, S. V. W.
Yoshimura, H. *see* Midorikawa, Y.

Index of Subjects

Agricultural run off and effect on river pollution (Fernández-Alvarez, Carballo-Cuervo, de la Rosa-Jorge & Rodríguez-de Lecea) 437
Antibacterial activity of organic acids (Cherrington, Hinton, Pearson & Chopra) 161
Antibiosis of *Leuconostoc gelidum* from meat (Hastings & Stiles) 127
Antibiotic resistance plasmids in *Staph. hyicus* (Rahman, Kent & Noble) 211
Antimicrobial activity of methylglyoxal bis(guanylhydrazone) analogues (Midorikawa, Hibasami, Gasaluk, Yoshimura, Masuji, Nakashima & Imai) 291
Antimicrobial resistance in *Staph. aureus* (Al-Masaudi, Day & Russell) 279
Aquatic bacteria/*Lemna* interactions (Underwood & Baker) 192
Avian intestinal microflora (Stavric, Gleeson & Blanchfield) 414
Bacillus cereus growth in tempeh (Ashenafi & Busse) 329
Bacillus subtilis spores and effects of halogen-containing compounds (Williams & Russell) 427
Bacterial antagonism to pathogens in poultry (Juven, Meinersmann & Stern) 95
Bacterial fermentation in the colon (Cummings & Macfarlane) 443
Bacteriocin-mediated antagonism by oral streptococci (Tsannetis, Bigis, Konidaris, Ioannidis, Genimatas & Papavassiliou) 294
Bioluminescent lactic acid bacteria (Ahmad & Stewart) 113
Biosensor for monitoring eubacterial respiration (Richardson, Gardner & Rawson) 422
Calmodulin antagonists and germination inhibition (Shyu & Foegeding) 233
Carotenoid pigments from micro-organisms (Nelis & De Leenheer) 181
Cholera and protective activity of tea (Toda, Okubo, Ikigai, Suzuki, Suzuki & Shimamura) 109
Citrate metabolism by *Lactobacillus plantarum* (Kennes, Dubourguier, Albagnac & Nyns) 380
Contact lens disinfecting solutions (Sutton, Wrzosek & Proud) 351
Deacidification activity of *Schizosaccharomyces pombe* in plum must (Joshi, Sharma & Attri) 385
Depuration of mussels (de Mesquita, Evison & West) 495
Detection of *Listeria monocytogenes* in food (Furrer, Candrian, Hoefelein & Luethy) 372
Differentiation of *Bacteroides* by capillary gas chromatography of carbohydrates (Engelhard & Mutters) 216
Differentiation of dairy strains of the *Bacillus cereus* group (Väisänen, Mwaisumo & Salkinoja-Salonen) 315
Differentiation of *Listeria* using low molecular weight RNA profiles (Slade & Collins-Thompson) 355
DNA analysis of catalase-negative *Campylobacter jejuni* (Hernandez, Owen, Costas & Lastovica) 71
DNA damage and repair in acid-habituated *E. coli* (Raja, Goodson, Smith & Rowbury) 507
DNA primer/probe system for detection of *Mycobacterium tuberculosis*-complex (Ralphs, Garrett, Morse, Cookson, Andrew & Boulnois) 221
Enumeration of faecal indicators (Pourcher, Devriese, Hernandez & Delattre) 525
Enumeration of spores of *Clostridium* in foods (Weenk, Fitzmaurice & Mossel) 135
Erwinia enzymes and temperature (Lanham, McIlravey & Perombelon) 20
Fermentation by *Clostridium pasteurianum* (Heyndrickx, De Vos & De Ley) 52
Fermentation of maize and sorghum (Abasiekong) 391
Fermented maize dough (Mensah, Tomkins, Drasar & Harrison) 203
Glucan-degrading lactobacilli (Jonsson & Hemmingsson) 512
Glycocalyx expression by staphylococci (Mathews, Oliver & King) 227
Growth temperature and virulence of *Listeria monocytogenes* (Stephens, Roberts, Jones & Andrew) 239
Growth, enterotoxin production and exoprotein formation in *Staph. aureus* (Nychas, Tranter, Brehm & Board) 344
Habituation to acid in *Escherichia coli* (Raja, Goodson, Chui, Smith & Rowbury) 59
Hydrolysis of lucerne cell-wall monosaccharides (Miron) 245
Identification of lactic acid bacteria from meat (Montel, Talon, Fournaud & Champomier) 469
Inhibition of *E. coli* by organic acids (Cherrington, Hinton, Pearson & Chopra) 156
Inhibition of *Listeria monocytogenes* (Schillinger, Kaya & Lücke) 473
Isolation and quantification of *Aeromonas* from water (Huguet & Ribas) 81
Ketone rancidity produced by *Penicillium crustosum* (Kinderlerer & Hatton) 502

L-forms of *Bacillus brevis* (STRANG, ALLAN, SEDDON & PATON) 47
L-forms of *Bacillus subtilis* (ALLAN) 339
Lactobacilli from irradiated meats (GRANT & PATTERSON) 302
Legionella and trace heated showers (MAKIN & HART) 258
Lethal effect of carrot on listeria (NGUYEN-THE & LUND) 479
Lignin degradation by *Acinetobacter* sp. (VASUDEVAN & MAHADEVAN) 169
Listeria monocytogenes in cottage cheese (HICKS & LUND) 308
Listeria monocytogenes on chicken breast meat (HART, MEAD & NORRIS) 40
Membrane filter cytotoxic assay (LYE & DUFOUR) 89
Menaquinone composition of micrococci (AMADI & ALDERSON) 517
Microflora of soak water during tempeh production (ASHENAFI & BUSSE) 334
Micro-organisms in rose stems (VAN DOORN, DE STIGTER, DE WITTE & BOEKSTEIN) 34
Modelling the lag phase of microbial growth (DAVEY) 253
Nitrogen assimilation by bradyrhizobia (KANESHIRO) 66
Pediocin AcH (BHUNIA, JOHNSON, RAY & KALCHAYANAND) 25
Physiology of pigeonpea rhizobia (ANAND & DOGRA) 197
Polymer production by *Lactobacillus delbrueckii* (GARCIA-GARIBAY & MARSHALL) 325
Polymerase chain reaction for detection of *Listeria monocytogenes* (WERNARS, HEUVELMAN, CHAKRABORTY & NOTERMANS) 121
Protozoa and ruminal fibrolysis (WILLIAMS & WITHERS) 144
Psychrotrophic coliforms in faecal-polluted environments (RIVILLA & GONZÁLEZ) 522
Rapid fluorogenic method to detect *E. coli* (SARHAN & FOSTER) 394
RecA-independent u.v. resistance (GOODSON & ROWBURY) 177
Rhizobium sp. NGR234 (STANLEY & CERVANTES) 9
Siderophores and biocontrol of *Pseudomonas tolaasii* (HENRY, LYNCH & FERMOR) 104
Somatic antigen variants of *Bacillus thuringiensis* (MIKE, OHBA & AIZAWA) 408
Sunlight and survival of enteric bacteria in water (DAVIES & EVISON) 265
Tetrodotoxin production of actinomycetes (DO, KOGURE, IMADA, NOGUCHI, OHWADA & SIMIDU) 464
Thermal inactivation of *Listeria monocytogenes* (COOTE, HOLYOAK & COLE) 489
Toxicity of medium chain fatty acids to *Penicillium crustosum* (HATTON & KINDERLERER) 401
Ultra-violet-resistant mutants of *Bacillus thuringiensis* (JONES, KARUNAKARAN, BURGES & HACKING) 460
Veratrole and carotenoid biosynthesis by *Phycomyces blakesleeanus* (SHLOMAI, BEN-AMOTZ & MARGALITH) 166
Yeast spoilage of bakery products (LEGAN & VOYSEY) 361